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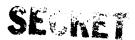
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Statement of Work

This proposal is for the design, development, fabrication, and qualification testing of an explosives initiating device which shall have the following characteristics:

- 1. Be wholly contained in a weathertight enclosure with dimensions $6^n \times 5-3/4^n \times 4^n$.
- 2. Be designed to prevent accidental initiation by requiring simultaneous two-handed actuation.
- 3. Provide a reliable time delay of at least 30 seconds between actuation and initiation.
- 4. Initiate two strands of primacord through reliable, independent explosive trains.
- 5. Pass environmental tests necessary for qualification under Military Specification MIL-E-5272A, "Environmental Testing, Aeronautical and Associated Equipment, General Specification For."
- 6. Be designed to permit surveillance and replacement of explosive and pyrotechnic components periodically.
- 7. Be detonator safe; that is, initiation of the detonators in the safe position shall not initiate



succeeding elements in the explosive train, nor shall such initiation throw fragments or particles from the weathertight enclosure.

We propose to fabricate forty (40) complete units, of which twenty-five (25) will be expended in qualification tests. A tentative test program for the twenty-five (25) units is shown on Drawing A10657.

In addition, we propose to fabricate and test such parts and components as are necessary to prove the design during development. Fifteen (15) certified units will be delivered to the contracting agency.

Monthly letter reports will be submitted to the contracting agency which will describe briefly the work accomplished and tests performed during the month. Each report will include an expenditure and fund status statement for the end of the month reported. A final report will be submitted in triplicate which will contain reproducible detail and assembly drawings of the qualified initiator, a summary of test results, and complete operating instructions for the device. The part of the report which gives operating instructions will be bound separately, and will be suitable for reproduction.



\$18,690.50

Allocation of Funds

It is estimated that the project described in the Statement of Work will require expenditures as follows:

Labor Engineering - 500 hrs. Design - 350 hrs. Shop - 500 hrs.	25X1
Overhead	
Materials Explosives and Pyrotechnics Inert Material	
Test Facility Rental	
Travel	25X1
General and Administrative	25X1
Fee	

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